

WHAT IS CLAIMED IS:

1 1. A method for treating an aneurysm, the method comprising delivering
2 at least one therapeutic agent at a location near the aneurysm.

1 2. The method of claim 1, further comprising placing at least one device
2 at a location near the aneurysm, wherein the at least one therapeutic agent is releasably
3 carried by the at least one device and the device releases the therapeutic agent at a location
4 near the aneurysm.

1 3. The method of claim 2, wherein the at least one device comprises at
2 least one stent member for engaging of at least a portion of a blood vessel in which the
3 aneurysm is located.

1 4. The method of claim 3, wherein the at least one device further
2 comprises at least one tubular member coupled with the at least one stent member.

1 5. The method of claim 2, wherein the at least one device is configured to
2 be placed within an abdominal aorta, the device comprising:
3 a first stent member for anchoring the device in a location near the aneurysm;
4 and
5 a skirt member having a proximal end and a distal end, the skirt member
6 extending from the stent in a direction towards the aneurysm when the device is placed at the
7 location near the aneurysm.

1 6. The method of claim 5, wherein the at least one device further
2 comprises a second stent member coupled with the first stent member, the second stent
3 member for further anchoring the device in a location above the one or more renal arteries.

1 7. The method of claim 5, wherein the at least one therapeutic agent is
2 carried by the stent member and/or the skirt member.

1 8. The method of claim 2, wherein the at least one device comprises a
2 balloon.

1 9. The method of claim 8, wherein the balloon includes one or more
2 perforations, the perforations configured to release the at least one therapeutic agent.

- 1 10. The method of claim 8, wherein the at least one therapeutic agent is
2 carried on an outer surface of the balloon.
- 1 11. The method of claim 8, wherein the device further comprises a
2 plurality of needles coupled with the balloon, the needles configured to facilitate delivery of
3 the at least one therapeutic agent to a location within a blood vessel wall in which the
4 aneurysm is located.
- 1 12. The method of claim 8, wherein the balloon comprises a torroidally-
2 shaped balloon for allowing blood flow to occur through a blood vessel in which the balloon
3 is placed, wherein the balloon is optionally torroidal.
- 1 13. The method of claim 2, wherein the at least one device comprises an
2 expandable wire basket, wherein the basket is optionally detachable.
- 1 14. The method of claim 13, further comprising at least one sac coupled
2 with the wire basket, the sac being configured to release the at least one therapeutic agent.
- 1 15. The method of claim 2, wherein the at least one device comprises a
2 plurality of capsules attachable to a blood vessel wall, the capsules being configured to
3 release the at least one therapeutic agent.
- 1 16. The method of claim 1, wherein the aneurysm is an abdominal aortic
2 aneurysm.
- 1 17. The method of claim 1, wherein the at least one therapeutic is taken
2 from the group consisting of doxycycline, tetracycline, roxithromycin, a chemically modified
3 tetracycline, and propranolol.
- 1 18. The method of claim 1, further comprising delivering at least a second
2 therapeutic agent.
- 1 19. The method of claim 18, wherein the first agent is delivered before the
2 second agent.
- 1 20. The method of claim 18, wherein the first therapeutic agent is an
2 antibiotic and the second therapeutic agent is a collagen promoting agent.

1 21. A device for treating an aneurysm, the device comprising a drug
2 delivery arrangement for delivering at least one therapeutic agent to a location near the
3 aneurysm.

1 22. The device of claim 21, wherein the drug delivery arrangement
2 comprises at least one stent member for maintaining patency of at least a portion of a blood
3 vessel in which the aneurysm is located.

1 23. The device of claim 22, wherein the drug delivery arrangement further
2 comprises at least one tubular member coupled with the at least one stent member.

1 24. The device of claim 21, wherein the drug delivery arrangement is
2 configured to be placed within an abdominal aorta, the arrangement comprising:
3 a first stent member for anchoring the device in a location between the
4 aneurysm and one or more renal arteries; and
5 a skirt member having a proximal end and a distal end, the skirt extending in a
6 direction towards the aneurysm when the device is placed at the location near the aneurysm.

1 25. The device of claim 24, further comprising a second stent member for
2 further anchoring the device in a location above the one or more renal arteries.

1 26. The device of claim 25, wherein at least one of the first stent member
2 and the second stent member includes a self-expanding portion and balloon expandable
3 portion.

1 27. The device of claim 24, wherein the at least one therapeutic agent is
2 carried by at least one of the stent member and the skirt member.

1 28. The device of claim 24, wherein at least one of the first stent member
2 and the skirt member is configured to be attachable to at least one leg member, the leg
3 member configured to connect the device to at least one iliac artery.

1 29. The device of claim 21, wherein the drug delivery arrangement
2 comprises a balloon.

1 30. The device of claim 29, wherein the balloon includes one or more
2 perforations, the perforations configured to release the at least one therapeutic agent.

1 31. The device of claim 29, wherein the at least one therapeutic agent is
2 carried on an outer surface of the balloon.

1 32. The device of claim 29, further comprising a plurality of needles
2 coupled with the balloon, the needles configured to facilitate delivery of the at least one
3 therapeutic agent to a location within a blood vessel wall in which the aneurysm is located.

1 33. The device of claim 29, wherein the balloon comprises a torroidally-
2 shaped balloon for allowing blood flow to occur through a blood vessel in which the balloon
3 is placed, wherein the balloon is optionally detachable.

1 34. The device of claim 21, wherein the drug delivery arrangement
2 comprises an expandable wire basket.

1 35. The device of claim 34, further comprising at least one sac coupled
2 with the wire basket, the sac being configured to release the at least one therapeutic agent.

1 36. The device of claim 21, wherein the drug delivery arrangement
2 comprises a plurality of capsules attachable to a blood vessel wall, the capsules being
3 configured to release the at least one therapeutic agent.

1 37. The device of claim 21, wherein the aneurysm is an abdominal aortic
2 aneurysm.

1 38. The device of claim 21, wherein the at least one therapeutic is taken
2 from the group consisting of doxycycline, tetracycline, roxithromycin, a chemically modified
3 tetracycline, and propranolol.

1 39. The device of claim 21, wherein the at least one therapeutic agent
2 comprises an antibiotic and a collagen promoting agent and the antibiotic is delivered to the
3 location near the aneurysm before the collagen promoting agent is delivered.

1 40. A kit for treating an aneurysm, the kit comprising:
2 a treatment device for placement in a blood vessel where the aneurysm is
3 located;
4 a placement device for use in placing the treatment device in the blood vessel;
5 and

6 instructions for using the treatment device and the placement device.